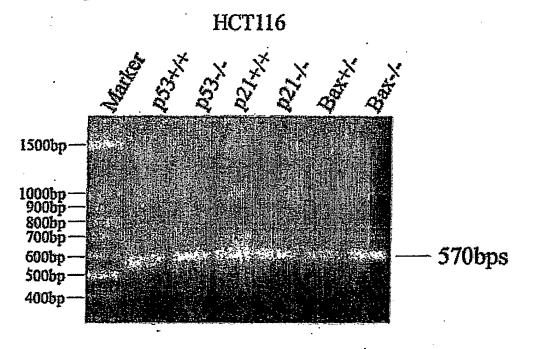
Figure 1

												Вс	1-2	(N-I	(وا						
Bcl2α	atq	aca	cac	gct	999	aga	aca	999	tac	gat	aac	cgg	gag	ata	gtg	atg	aag	tac	atc	cat	60
α591	atg	gcg	cac	gct	999	aga	aca	999	tàc	gat	aac	cgg	gag	ata	gtg	atg	aag	tac	atc	cat	60
α588																	aag				
a480	atg	gcg	cac	gct	999	aga	aca	999	tac	gat	aac	cgg	gag	ata	gtg	atg	aag	tac	atc	cat	60
a633																	aag				60
Βc12β																	aag				60
β489																	aag				60
β474	atg	gċg	cac	gct	999	aga	acg	999	tac	gac	aac	çgg	gag	ata	gtg	atg	aag	tac	atc	cat	60
β420																	aag				
β315	atg	gcg	cac	gct	999	aga	aca	999	tac	gat	aac	cgg	gag	ata	gtg	atg	aag	tac	atc	cat	60
					BCL-	·2 (AE	3-2)											_	В	H4	-
Bcl2a	tat	aaq	ctq	tcq	caq	agg	ggc	tac	gag	tgg	gat	gcg	gga	gat	- gtg	ggc	gcc	gcg	acc	ccg	120
α591																	gcc				
α588	tat	aaq	ctg	teg	cag	agg	ggc	tac	gag	tgg	gat	grg	gga	gat	gtg	ggc	gcc				111
α480						agg					1										
α633												gag	acc	aga	acg	gcc	ttt	cca	agg	gcg	120
Вс12β																	gcc				
β489																	gcc				
β474	tat	aag	ctg	tcg	cag	agg	ggc	cac	gag	tgg	gat	gcg	gga	gat	gtg	ggc	gcc	gcg	CCC	ccg	120
β420			ctg																		69
β315	tat	aag	ctg	teġ	cag	agg															78
,						Bcl-				вн4											
Bcl2a	999	gcc	gcc	ccc	gcg	ccg	ggc	atc	ttc	tcc	tcg	cag	ccc	aa a	cac	acg	ccc	cat	<u>a</u> ca	ácc	
α591																					111
α588																					111 84
α48ố																					156
α633																	000	cat	acia		
Bcl2ß	999	gee	gcc	666	gca		990							999	-ac		000				111
β489																					120
β474																					69
β420 β315																					78
poso							Bc.	L-2 (2	Ab-4)											
Bcl2a	gca	tcc	cgg	gac	ccg	gtc	gcc	agg	acc	tcg	ccg	ctg	cag	acc	ccg	gct	gcc	ccc	ggc	gcc	240
α591																					111
a588																					111
α480																					84
α633																					156
Bcl2β	gca	tcc	cgc	gac	ccg	gtc	gcc	agg	acc	tcg	ccg	ctg	cag	acc	ccg	gct	gcc	CCC	ggc	gcc	240
β489																					111
β474																					120
β420			 .																		
β315				 (pp)		 L-2 (0															7 8Į
Bcl2a	~~~							000	at-a	cca	cct	ata	otc	Cac	cta	acc	ctc	cac	cag	acc	300
α591																	ctc				
a588	900	aca	222	act	aca	ctc	900	cca	ata	cca	cct	ata	ata	cac	cta	acc	cta	cac	cag	acc	168
α480		<i></i>	<i></i>		5-5																84
α633																	ctc				
Bc12β	gcc	aca	aaa	cct	aca	ctc	agc	cca	gta	cca	cct	gta	gtc	cac	ctg	gcc	atc	cgc	caa	gee	300
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β474																	otc				
β420																	ctc				
β315																					
•												,							ВН	l	

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α591	gġ	gad	gac	ttc	tec	: cgc	cgc	tac	cgo	cgc	gac	ttc	: gcc	gag	atg	tco	agc	cag	ctg	cac	231
α588	999	gad	gac	ttc	: tcc	cgc	cgc	tac	cgc	cgc	gac	ttc	geo	gag:	atg	tcc	agc	cag	ctg	cac	228
α480									cgc	cgc	gac	ttc	gac	gag	atg	tcc	agc	cag	ctg	cac	120
a633	999	gad	gac	tto	: tcc	cgo	cgc	tac	cgo	cgc	gac	tto	gcc	gag	atg	tec	agc	cag	ctg	cac	273
Bcl2ß	ggd	gac	gac	tto	: tcc	cgc	cgc	tac	cgc	ggo	gac	ttc	gco	gag	atg	tcc	ag <u>c</u>	cag	ctg	cac	360
β489	ggd	gac	gao	tto	tec	cgc	cgc	tac	cgc	cgc	gac	tto	gcc	gag	atg	tcc	agc	cag	ctg	cac	231
β474	ggd	gac	gac	ttc	tcc	cgc	cgc	tac	cgc	cgc	gac	ttc	gco	gag	atg	tcc	ago	cag	ctg	cac	216
β 4 20	ggd	gac	gga	tto	tec	cgc	cgc	tac	cgc	cgc	gac	tto	god	gag	atg	toc	agc	cag	ctg	cac	162
β315]													78
							вні														_
Bcl2a	cts	ace	ccc	tto	acc	gcg	cgg	gga	cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	420
α591	cts	g acc	cca	tto	acc	gcg	cgg	gga	. cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	291
a588	cts	acc	cec	tto	acc	áca	cgg	gga	cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	288
a480	cts	acg	ccc	ttc	acc	gcg	cgg	gga	. ege	ttt	gcc	acg	gtg	gtġ	gag	gag	ctc	ttc	agg	gac	180
α633	cts	acg	ccc	tto	acc	gcg	cgg	gga	ogc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	333
Bcl2ß	ctg	acg	ccc	ttc	acc	gcg	cgg	gga	cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	420
β489.	ctg	acg	CCC	ttc	acc	gcg	cgg	gga	cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	291
β474														gtg							
β420	ctg	acg	ccc	ttc	acc	gcg	cgg	gga	cgc	ttt	gcc	tcg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	222
β315								gga	cgc	ttt	gcc	acg	gtg	gtg	gag	gag	ctc	ttc	agg	gac	117
																			81		
Bcl2a	1								-					ggt		i –					
α591								_						ggt		1	_	_		-	
α588						-		-						ggt		<u> </u>	_	_		_	
α480		-												ggt		1					
α633	1								_					ggt		I-		_			
Bcl2ß	1								_			-		ggt		_			-		
β489	1					-								ggt		t-	-				
β474												-		ggt							
β420													•	ggt							
β315	999	afa	aac	tgġ	333	agg	att	gtg	acc	tte	ttt	gag	tţc	ggt		gte	atg	tgt	gtg	gag	177
D-10-														81	-						E40
Bcl2a	_	_				_	_		_		_			gcc	_				_		
α591	_	_				_			_		_		-	gcc	_	_					
α588 ~466	_	_					_		_	_	-			gcc	-						
α480	_	_				_	_		_		_			gec	_		_				
α633 D=33P	_	_									-			gcc							
Bcl2ß	_	_			-						-			gcc							
β489 B474	_	_					•		_					gee							
B474														gcc							
β420 β315	-	_				_	_				_			gcc	_		_				
hara	agu	gre	aac	-99	gag	acg	LUG	CCC	ccg	9-9	gac	aac	alt	gee	ctg	rgg	arg	act	949	Lac	251
Bcl2a	cta	aac	caa	cac	cta	cac	acc	taa	atc	сап	gat	aac	gga	ggc	taa						585
α591														ggc							
α588														ggc							
a480														ggc							
	CLU	aac	CUU		CLU	cacı	acc	Laa	atc	cau	cat	aac									
α633																					49 6
α633 Bcl2β	ctg	aac	cgg	cac	ctg	cac	acc	tgg	atc	cag	gat	aac	gga	ggc	tgg						
Bcl2ß	ctg ctg	aac aac	cgg cgg	cac cac	ctg ctg	cac cac	acc acc	tgg tgg	atc atc	cag cag	gat gat	aac aac	gga gga	ggc ggc	tgg tgg	gta	ggt	gca '	 tot	ggt	600
Bc12β β489	ctg ctg ctg	aac aac	c33 c33 c33	cac cac cac	ctg ctg ctg	cac cac cac	acc acc	tgg tgg tgg	atc atc atc	cag cag	gat gat gat	aac aac aac	gga gga	aac aac aac	tgg tgg tgg	gta gta	ggt :	gca '	tot (ggt ggt	600 471
Bc12β β489 β474	ctg ctg ctg ctg	aac aac aac	c33 c33 c33 c33	cac cac oac cac	ctg ctg ctg ctg	cac cac cac	acc acc acc acc	tgg tgg tgg tgg	atc atc atc atc	cag cag cag	gat gat gat gat	aac aac aac aac	gga gga gga gga	88c 88c 88c 88c	tgg tgg tgg tgg	gta gta gta	ggt : ggt :	gca gca	tot (ggt ggt ggt	600 471 456 ,
Bc12β β489 β474 β420	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg	cac cac cac cac	acc acc acc acc	tgg tgg tgg tgg tgg	atc atc atc atc atc	cag cag cag cag cag	gat gat gat gat gat	aac aac aac aac	gga gga gga gga gga	88c 88c 88c 88c	tgg tgg tgg tgg	gta gta gta gta	ggt g ggt g ggt g	gca : gca : gca :	tot (ggt ggt ggt ggt	600 471 456 , 402
Bc12β β489 β474	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg	cac cac cac cac	acc acc acc acc	tgg tgg tgg tgg tgg	atc atc atc atc atc	cag cag cag cag cag	gat gat gat gat gat	aac aac aac aac	gga gga gga gga gga	88c 88c 88c 88c 88c	tgg tgg tgg tgg tgg	gta gta gta gta	ggt g ggt g ggt g	gca : gca : gca :	tot (ggt ggt ggt ggt	600 471 456 , 402
Bc12β β489 β474 β420	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc	tgg tgg tgg tgg tgg	atc atc atc atc atc	cag cag cag cag cag	gat gat gat gat gat gat	aac aac aac aac aac	gga gga gga gga gga	88c 88c 88c 88c	tgg tgg tgg tgg tgg	gta gta gta gta gta	ggt ggt ggt g	gca :	tot ; tot ; tot ;	ggt ggt ggt ggt ggt	600 471 456 , 402 297
Bcl2β β489 β474 β420 β315	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc	tgg tgg tgg tgg tgg tgg	atc atc atc atc atc atc	cag cag cag cag cag	gat gat gat gat gat gat	aac aac aac aac aac	gga gga gga gga gga tac	86 99c 99c 99c 99c 99c	tgg tgg tgg tgg tgg tgg	gta gta gta gta gta gta	ggt ggt ggt ggt ggt g	gca	tot ; tot ; tot ; tot ;	ggt ggt ggt ggt ggt :	600 471 456 , 402 297
Bcl2β β489 β474 β420 β315 Bcl2α	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc gat	tgg tgg tgg tgg tgg ggc	atc atc atc atc atc atc ttt	cag cag cag cag cag cag	gat gat gat gat gat gat	aac aac aac aac aac aac	gga gga gga gga gga tac tac	8 t 93c 93c 93c 93c 93c 93c	tgg tgg tgg tgg tgg tgg	gta gta gta gta gta gta agc	ggt ggt ggt ggt ggt g	caa	tet ; tet ; tet ; tet ;	ggt ggt ggt ggt ggt ctg	600 471 456 , 402 297 627 498
Bcl2β β489 β474 β420 β315 Bcl2α α591	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc gat gat	tgg tgg tgg tgg tgg gcc gcc	atc atc atc atc atc atc ttt	cag cag cag cag cag cag gtg gtg	gat gat gat gat gat gat gaa gaa	aac aac aac aac aac aac ctg	gga gga gga gga gga tac tac	88c 88c 93c 93c 93c 93c 93c 93c	tgg tgg tgg tgg tgg tgg	gta gta gta gta gta agc agc	ggt	cgg	tet (ggt	600 471 456, 402 297 627 498
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588	ctg ctg ctg ctg ctg	aac aac aac aac aac	c33 c33 c33 c33	cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt ggt ggt ggt ggt ctg ctg ctg	600 471 456, 402 297 627 498 495
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588 α480	ctg ctg ctg ctg	aac aac aac aac aac	 caa caa caa caa caa	cac cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt ggt ggt ggt ggt ctg ctg ctg ctg	600 471 456, 402 297 627 498 495
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588 α480 α633	ctg ctg ctg ctg	aac aac aac aac gtg	cgg cgg cgg cgg	cac cac cac cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt	600 471 456 402 297 627 498 495 387
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588 α480 α633 Bcl2β	ctg ctg ctg ctg ctg gt ctg	aac aac aac aac aac aac	cgg cgg cgg cgg cgg cgg cgg	cac cac cac cac cac cac	ctg ctg ctg ctg ctg	cac cac cac cac cac cac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt ggt ggt ggt ctg ctg ctg	600 471 456, 402 297 627 498 495 387 540
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588 α480 α633 Bcl2β β489	ctg ctg ctg ctg ctg gt ctg	aac aac aac aac aac aac aac gtg	cgg cgg cgg cgg cgg agt agt agt	cac cac cac cac cac cac cac cac	ctg ctg ctg ctg ctg ggc	cac cac cac cac cac cac tac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt ggt ggt ggt ggt ctg ctg ctg ctg	600 471 456, 402 297 627 498 495 387 540 518
Bcl2β β489 β474 β420 β315 Bcl2α α591 α588 α480 α633 Bcl2β β489 β474	ctg ctg ctg ctg ctg gt gat gat gat	aac aac aac aac aac aac gtg	cgg cgg cgg cgg cgg agt agt agt	cac cac cac cac cac cac cac cac ctg ctg	ctg ctg ctg ctg ctg ctg ctg ggc ggc	cac cac cac cac cac cac tac cac cac cac	acc acc acc acc acc gat gat gat gat	tgg tgg tgg tgg tgg tgg gcc gcc gcc	atc atc atc atc atc ttt ttt	cag cag cag cag cag cag cag gtg gtg gtg	gat gat gat gat gat gat gaa gaa gaa	aac aac aac aac aac ctg ctg ctg	gga gga gga gga gga tac tac tac tac	33c 33c 33c 33c 33c 33c 33c 33c	tgg tgg tgg tgg tgg Sccc	gta gta gta gta gta gta agc agc	ggt	caa	tot ; tot ; tot ; tot ; tot ; tot ;	ggt	600 471 456 402 297 627 498 495 387 540 518 174

α591 α588 α480	ttt ttt ttt	gat gat gat gat gat	tta tta tta	tcc tcc tcc	tgg tgg tgg	ctg ctg ctg	tct tct tct	ctg ctg ctg	aag aag aag	act act act	ctg ctg ctg	ctc ctc	agt agt agt	ttg ttg ttg	acc acc acc	ctg ctg ctg	gtg gtg gtg	gga gga	gct gct gct	tgc tgc tgc	558 555 447	
Bcl2a	atro	acc	cta	aat:	acci	tat	cta	ggc	cac	aag	tga	•					•				720	
		acc																			591	
																					588	
		acc																			480	
α480		acc																			633	
α633	atc	acc	cta	aat	qcc	tat	ctg	ggc	cac	aag	tga										033	

FIGURE 2



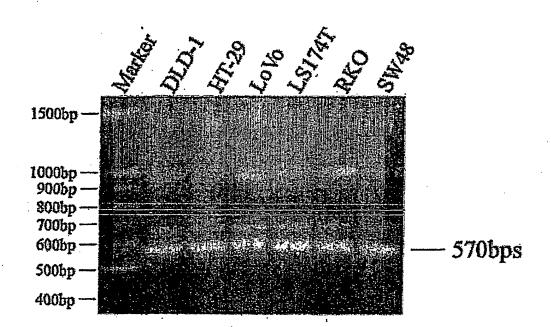
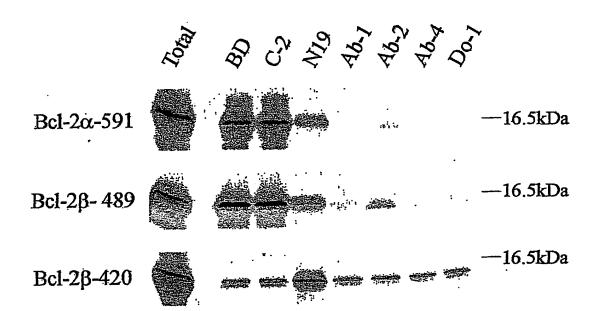


FIGURE 3



BEST AVAILABLE COPY

Figure 4

						·		<u></u>	
SW48		Φ				•			
LoVo LS174T SW48							Ф		
LoVo		Ф							
RKO				Φ	Ф				₽
HCT	P21-/-		0						
HCT	Bax-/- p21+/+	Ð						₽	
HCT		Φ							
HCT	Bax+/-	Ð							
HCT	p53-/-	Ф				Φ			
HCT		Ф							
		α591	a588	α480	a633	β489	β474	β420	β315

FIGURE 5;

